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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/537,522	06/09/2006	Hansson Birger	05822.0324USWO	3588
23552	7590	07/09/2007		
MERCHANT & GOULD PC P.O. BOX 2903 MINNEAPOLIS, MN 55402-0903				
EXAMINER				
NGUYEN, ANTHONY H				
ART UNIT		PAPER NUMBER		
2854				
MAIL DATE		DELIVERY MODE		
07/09/2007		PAPER		

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

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**Office Action Summary****Application No.**

10/537,522

**Applicant(s)**

BIRGER, HANSSON

**Examiner**

Anthony H. Nguyen

**Art Unit**

2854

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --****Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 12 April 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-4 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-4 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |  |  |
|--|--|
| <p>1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)</p> <p>2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)</p> <p>3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br/>Paper No(s)/Mail Date <u>4/30/2007</u>.</p> | <p>4) <input type="checkbox"/> Interview Summary (PTO-413)<br/>Paper No(s)/Mail Date. _____.</p> <p>5) <input type="checkbox"/> Notice of Informal Patent Application</p> <p>6) <input type="checkbox"/> Other: _____.</p> |
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## DETAILED ACTION

### *Claim Rejections - 35 U.S.C. § 103*

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 1 and 2 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Hara et al. (US 6,823,789) in view of Toral et al. (US 5,034,843).

With respect to claims 1 and 2, Hara et al. teaches a bobbin 200 which includes an internal means 202 for locking the bobbin to the roller or shaft 6 via a groove 160 for securing a cleaning cloth 3 to the bobbin as shown in Fig.82 of Hara et al. Hara et al. does not teach the shaft having longitudinal grooves for cooperation with the internal means. Toral et al. teaches a tape reel or a bobbin 1 which includes internal means (no numeral reference) that is adapted for cooperation with the longitudinal grooves of a drive spindle or a drive shaft 9 as shown in Figs.1 and 2 of Toral et al. In view of the teaching of Toral et al., it would have been obvious to one of ordinary skill in the art to modify the shaft of Hara et al. by providing the shaft having longitudinal grooves as taught by Toral et al. to improve the efficiency of feeding a cleaning cloth for cleaning the surface of a printing cylinder. Note that the structure of the bobbin is the same regardless the process to be used to make the bobbin since the selection of a desired process such as embossing over at least a part of the bobbin surface would be obvious through routine experimentation in order to get the desired result.

Claims 3 and 4 are rejected under 35 U.S.C. § 103 (a) as being unpatentable over Hara et al. in view of Toral et al. as applied to claims 1 and 2 above, and further in view of Marass et al. (US 3,735,702).

With respect to claim 4, Hara et al. and Toral et al. teaches all that is claimed, except the bobbin which is made of plastic material. Marass et al. teaches a cleaning device having the bobbin which is made of plastic material (Marass et al., col.4 lines 65-68). In view of the teaching of Marass et al., it would have been obvious to one of ordinary skill in the to modify the bobbin of Hara et al. and Toral et al. by providing the plastic bobbin as taught by Marass et al. to simplify the manufacturing process..

With respect to claim 3, the selection of a desired process such as embossing over at least a part of the bobbin surface would be obvious through routine experimentation in order to get the desired depth over the surface of the bobbin since the process is depended on the material which is used for manufacturing the bobbin.

### ***Response to Arguments***

Applicants' arguments filed on April 12, 2007 have been fully considered but they are not persuasive of any error in view of the new ground(s) of rejection(s).

### ***Conclusion***

The patents to MacPhee et al., Albrecht and Hardin are cited to show other structures having obvious similarities to the claimed structure.

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Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action.


Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Anthony Nguyen whose telephone number is (571) 272-2169. The examiner can normally be reached daily from 9 AM to 5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Judy Nguyen, can be reached on (571) 272-2258.

The fax phone number for this Group is (571) 273-8300.



Anthony Nguyen  
06/27/07  
Patent Examiner  
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